

EU TYPE EXAMINATION CERTIFICATE

Issue Date: October 11, 2022

Applicant:

ALTENERGY POWER SYSTEM INC.
Building 2, No. 522, Yatai Road, Nanhu District,
Jiaxing City, Zhejiang, China

Manufacturer:

Same as Applicant

Model Number/Name: ECU-C

Product Description: Energy Communication Unit

Serial Number: ECU-C

Hardware version: REV 1

Software version: C1

Frequency Band(s):

Zigbee:2405-2480MHz;

Wifi:2412-2472MHz

Transmit Power Range(s):

Zigbee max:6.62dBm;

Wifi max:12.69dBm

Modulation Type(s):

Zigbee:OQPSK;

Wifi:DSSS,OFDM

Channel Spacing(s):

Zigbee:5MHz;

Wifi:5MHz

Duty Cycle: N/A

Microprocessor Model Number(s): AM3352BZCZD30

Antenna Type(s) and Gain(s):

Antenna type: External Antenna

Group 1:

Antenna 1: 2.15dBi

Antenna 2: 2.15dBi

Group 2:

Antenna 1: 2dBi

Antenna 2: 2dBi

Group 3:

Antenna 1: 2dBi

Antenna 2: 2dBi

Essential Requirement		Applied Specifications/Standards	Documentary Evidence	Result
Art. 3.1(a)	Safety	EN 61010:2010+A1:2019	Test Report	Pass
Art. 3.1 (a)	Health	EN 62479:2010 EN 50663:2017	Test Report	Pass
Art. 3.1(b)	EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019 EN IEC 61000-6-3:2021 EN IEC 61000-6-4:2019	Test Report	Pass
Art. 3.2	Radio	ETSI EN 300 328 V2.2.2 (2019-07)	Test Report	Pass
Art. 3.3(g)	Emergency Service	N/A	N/A	N/A

Examination Result: Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.



Tom Zhang
Technical Reviewer

REDCA Program, Eurofins Electrical and Electronic Testing NA, Inc.

Project Number: 2010-10-2022-122653

Technical Construction File (TCF) Details

<i>To demonstrate conformity with Article 3.1(a) Health</i>		
Applied Standards		
EN 62479:2010		
EN 50663:2017		
Report or Certificate No.	Issue Date	Issued by
GJW2022-5231-H/R1	09/29/2022	CVC Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.1(a) Safety</i>		
Applied Standards		
EN 61010:2010+A1:2019		
Report or Certificate No.	Issue Date	Issued by
6142493.50A	09/30/2022	DEKRA Testing and Certification (Shanghai) Ltd.
<i>To demonstrate conformity with Article 3.1(b) EMC</i>		
Applied Standards		
ETSI EN 301 489-1 V2.2.3 (2019-11)		
ETSI EN 301 489-17 V3.2.4 (2020-09)		
EN IEC 61000-6-1:2019		
EN IEC 61000-6-2:2019		
EN IEC 61000-6-3:2021		
EN IEC 61000-6-4:2019		
Report or Certificate No.	Issue Date	Issued by
GJW2022-5231-RFEMC	09/19/2022	CVC Testing Technology Co., Ltd.
GJW2022-5231-EMC	09/19/2022	CVC Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>		
Applied Standards		
ETSI EN 300 328 V2.2.2 (2019-07)		
Report or Certificate No.	Issue Date	Issued by
GJW2022-5231-RF/R1	09/29/2022	CVC Testing Technology Co., Ltd.
<i>To demonstrate conformity with Article 3.3 Emergency Service</i>		
Applied Standards		
N/A		
Report or Certificate No.	Issue Date	Issued by
N/A	N/A	N/A